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### 1 [Zero-knowledge watermark detector robust to sensitivity attacks](#)



Juan Ramón Troncoso-Pastoriza, Fernando Pérez-González

September 2006 MM&amp;Sec '06: Proceedings of the 8th workshop on Multimedia and security

Publisher: ACM

 Full text available: Pdf (300.41 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 90, Citation Count: 2

Current zero-knowledge watermark detectors are based on a linear correlation between the asset features and a given secret sequence. This detection function is susceptible of being attacked by sensitivity attacks, for which zero-knowledge does not provide ...

Keywords: generalized gaussian detector, sensitivity attacks, watermark detection, zero-knowledge

### 2 [Robust non-interactive zero-knowledge watermarking scheme against cheating](#)



prover

Chia-Mu Yu, Chun-Shien Lu

August 2005 MM&amp;Sec '05: Proceedings of the 7th workshop on Multimedia and security

Publisher: ACM

 Full text available: Pdf (267.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 71, Citation Count: 1

Most watermarking methods presented so far belong to the category of symmetric watermarking in that the secret key is undesirably revealed during the watermark detection process. In view of this security leakage, zero-knowledge watermark detection (ZKWD) ...

Keywords: ambiguity attack, robustness, security, watermark, zero-knowledge detection

### 3 [A secure semi-fragile watermarking for image authentication based on integer wavelet transform with parameters](#)

Xiaoyun Wu, Junquan Hu, Zhixiong Gu, Jiwu Huang

January 2005 ACSW Frontiers '05: Proceedings of the 2005 Australasian workshop  
on Grid computing and e-research - Volume 44, Volume 44  
Publisher: Australian Computer Society, Inc.

Full text available:  Pdf (304.75 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 94, Citation Count: 0

Semi-fragile watermark fragile to malicious modifications while robust to incidental manipulations is drawing many attentions in image authentication. However, watermark security has not received enough attention yet. Lifting scheme can construct second ...

Keyw ords: image authentication, integer wavelet transform, parameterization, semi-fragile watermark, watermark security

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#### 4 [A secure multicast protocol with copyright protection](#)



Hao-hua Chu, Lintian Qiao, Klara Nahrstedt, Hua Wang, Ritesh Jain

April 2002 ACM SIGCOMM Computer Communication Review, Volume 32 Issue 2

Publisher: ACM

Full text available:  Pdf (301.97 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 146, Citation Count: 2

We present a simple, efficient, and secure multicast protocol with copyright protection in an open and insecure network environment. There is a wide variety of multimedia applications that can benefit from using our secure multicast protocol, e.g., the ...

Keyw ords: copyright protection, key distribution, multicast security, watermark

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#### 5 [Implementation of real-time watermarking scheme for high-quality video](#)



In-Koo Kang, Dong-Hyuck Im, Heung-Kyu Lee, Young-Ho Suh

September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multimedia and security

Publisher: ACM

Full text available:  Pdf (551.12 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 84, Citation Count: 0

Digital watermarking for video helps protect the copyright of the video content. In most watermark applications, an embedding procedure should be built at low costs and the embedded watermarks should have robustness against various unintentional or malicious ...

Keyw ords: fast HVS, real-time, watermark embedding

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#### 6 [Nark: receiver-based multicast non-repudiation and key management](#)



Bob Briscoe, Ian Fairman

November 1999 EC '99: Proceedings of the 1st ACM conference on Electronic commerce

Publisher: ACM

Full text available:  Pdf (168.86 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation Count: 2

Keyw ords: Internet, audit trail, key management, multicast, non-repudiation, smartcard, watermark

7 [Publicly verifiable ownership protection for relational databases](#)



Yingjiu Li, Robert Huijie Deng

March 2006 ASI ACCS '06: Proceedings of the 2006 ACM Symposium on Information, computer and communications security

Publisher: ACM

Full text available: Pdf (332.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 159, Citation Count: 1

Today, watermarking techniques have been extended from the multimedia context to relational databases so as to protect the ownership of data even after the data are published or distributed. However, all existing watermarking schemes for relational databases ...

Keyw ords: certificate, ownership protection, public verifiability, relational database, watermark

8 [NTT's technologies for next-generation video services](#)



Yutaka Tashiro, Yoshiyuki Yashima, Hiroshi Fujii

January 2006 Computers in Entertainment (CI E), Volume 4 Issue 1

Publisher: ACM

Full text available: Pdf (1.04 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 203, Citation Count: 0

This article presents some examples of video content delivery and two-way video communication services and describes current trends in the digital media technology supporting these services. It also describes NTT's research efforts in subjects such as ...

Keyw ords: H.264, IP network, MPEG-2, MPEG-4/AVC, business application, image compression, network, secure video, video CODEC, video decoder, video distribution, video encoder, video service, watermark

9 [Robust DWT-SVD domain image watermarking: embedding data in all frequencies](#)



Emir Ganic, Ahmet M. Eskicioglu

September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multimedia and security

Publisher: ACM

Full text available: Pdf (4.84 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)





Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 190, Citation Count: 2

Protection of digital multimedia content has become an increasingly important issue for content owners and service providers. As watermarking is identified as a major technology to achieve copyright protection, the relevant literature includes several ...

Keyw ords: copyright protection, discrete wavelet transform, image watermarking, multimedia, singular value decomposition, visual watermark

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